1 GETTING STARTED

DAC-100

What's in the Box?

- DAC-100
- AC ADAPTER
- S-VIDEO CABLE
  (REQUIRES RED & WHITE RCA AUDIO CABLE)
- RCA VIDEO & AUDIO CABLE
- FIREWIRE
  (6 PIN MALE TO 6 PIN MALE)
- INSTALLATION GUIDE
- MANUAL
- REGISTRATION CARD
- SUPPORT INFO

1 AC ADAPTER

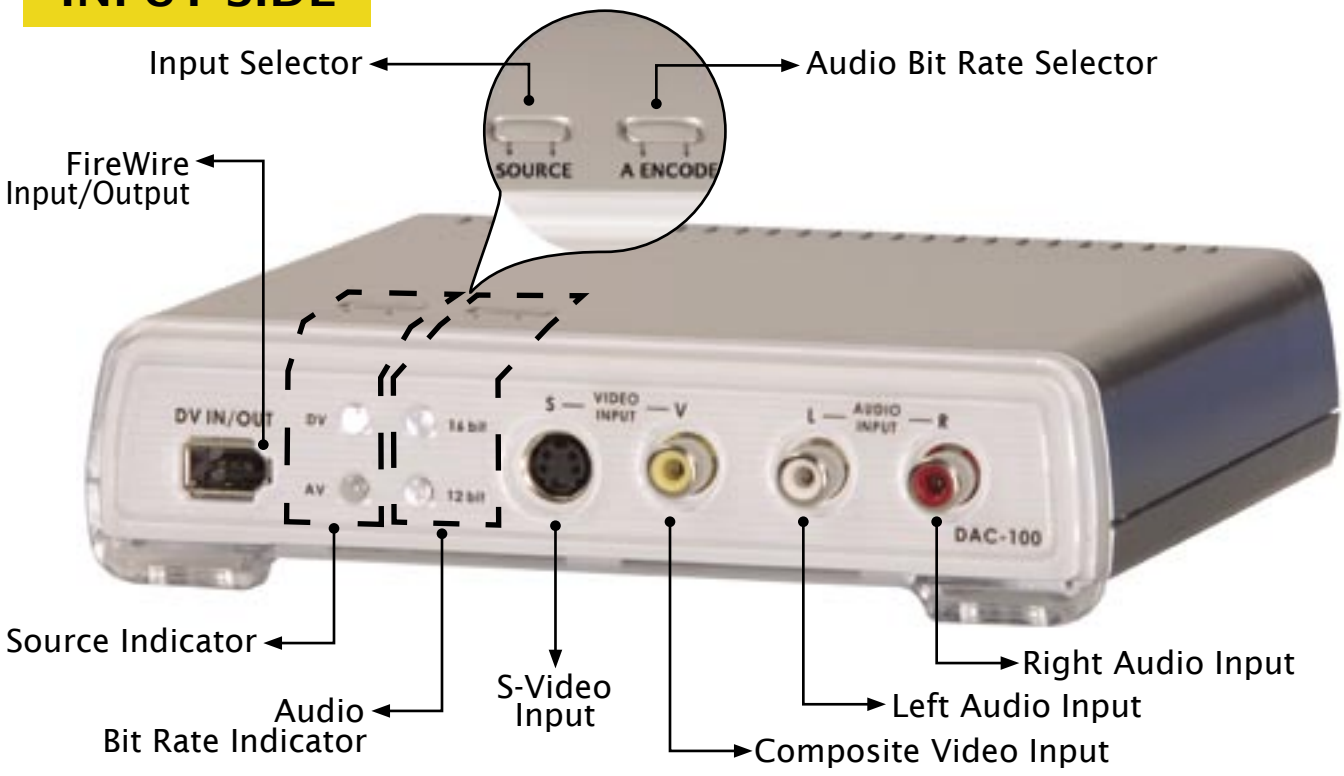
2 S-VIDEO CABLE

3 RCA VIDEO & AUDIO CABLE

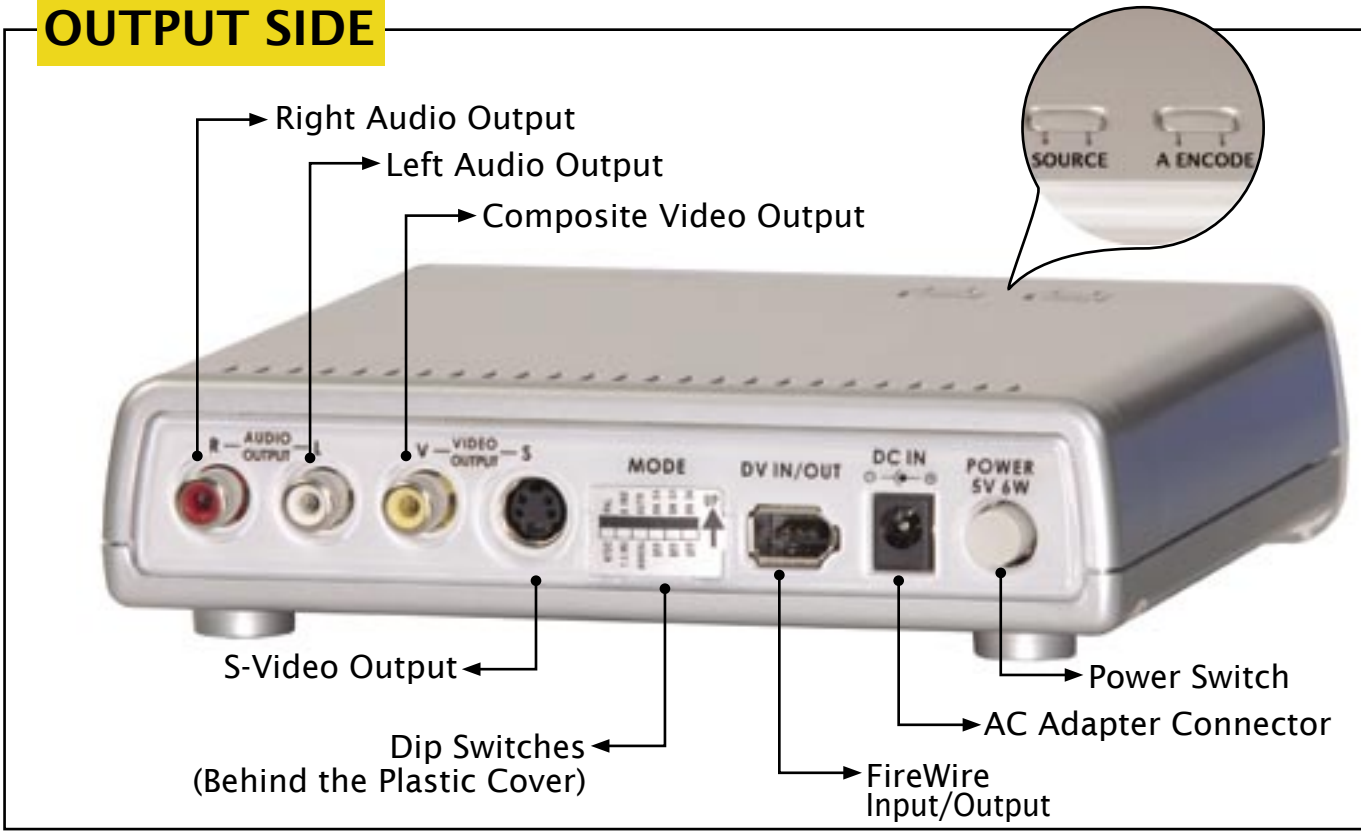
4 FIREWIRE CABLE 6 PIN MALE TO 6 PIN MALE

2 MEET THE DAC-100

INPUT SIDE



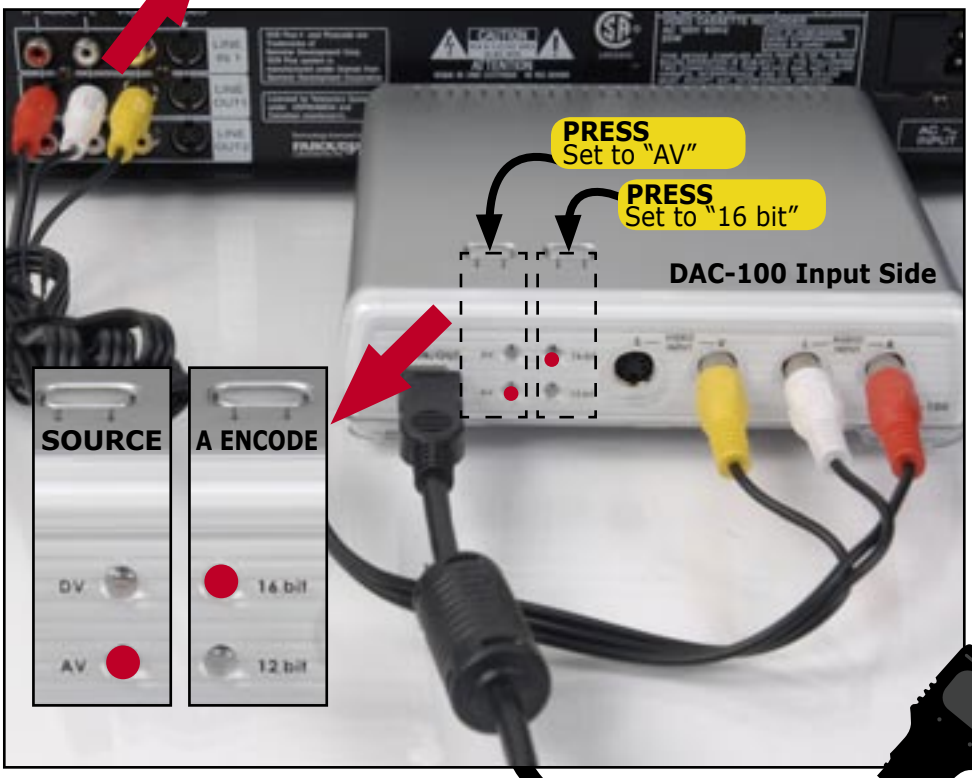
OUTPUT SIDE



3 CAPTURING COMPOSITE VIDEO

How to connect DAC-100 to capture Video from a VCR or Camcorder

1. Connect the RCA Video/audio cables from the VCR's Line output to the input on the DAC-100.
2. Connect the FireWire cable to the DAC-100, connect opposite end to the PC or Mac's FireWire Port.
3. Power on the DAC-100 and the VCR.
4. Start the Editing Software. (Not Supplied)
5. Press the DAC-100's Source Button to switch it to "AV" and the A Encode Button to "16 bit".
6. Go to the "Capture or Import" mode on the Editing software to begin capturing video to a PC or a MAC

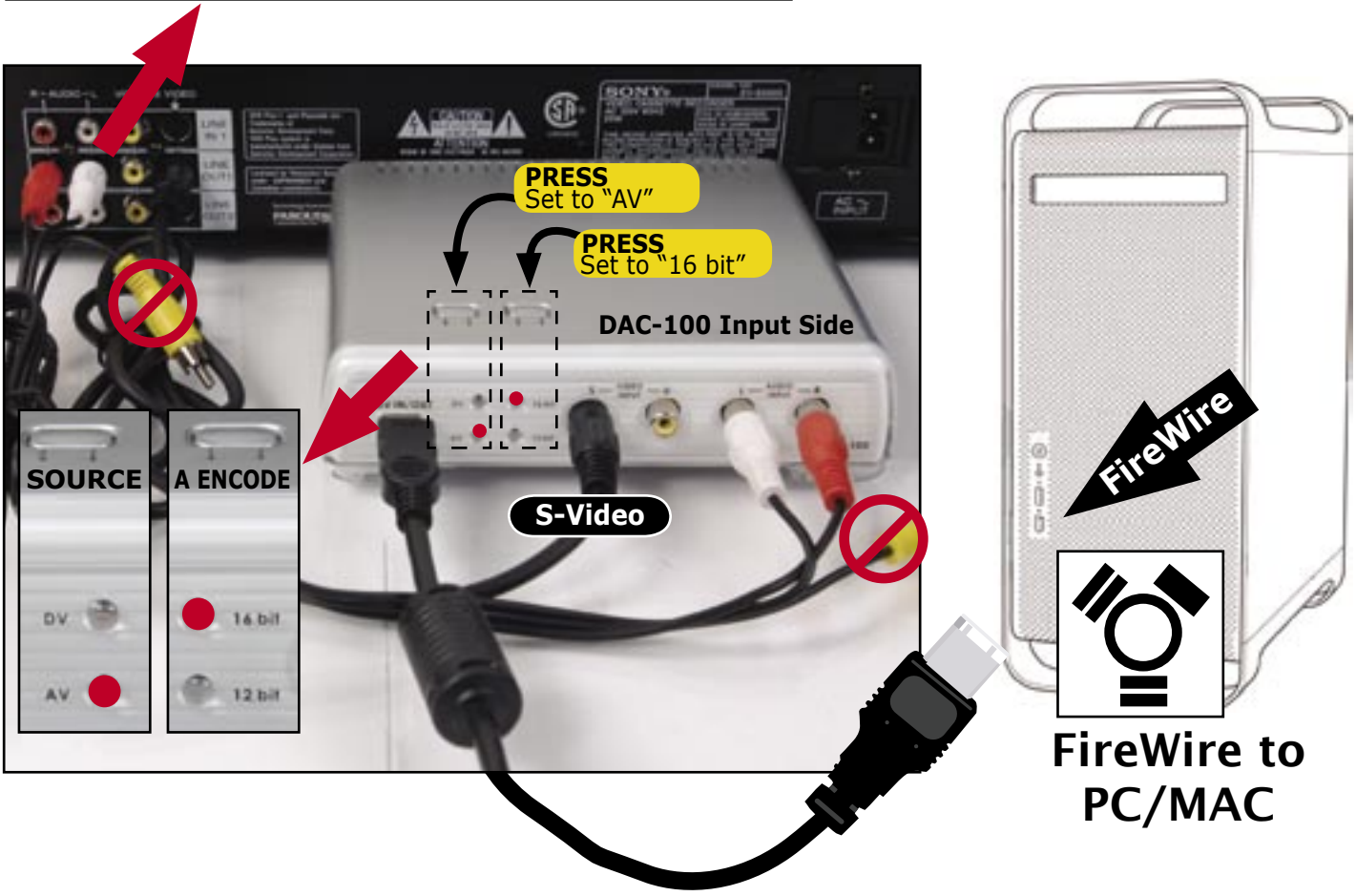


FireWire to PC/MAC

4 CAPTURING S-VIDEO

How to capture Video from a VCR or Camcorder

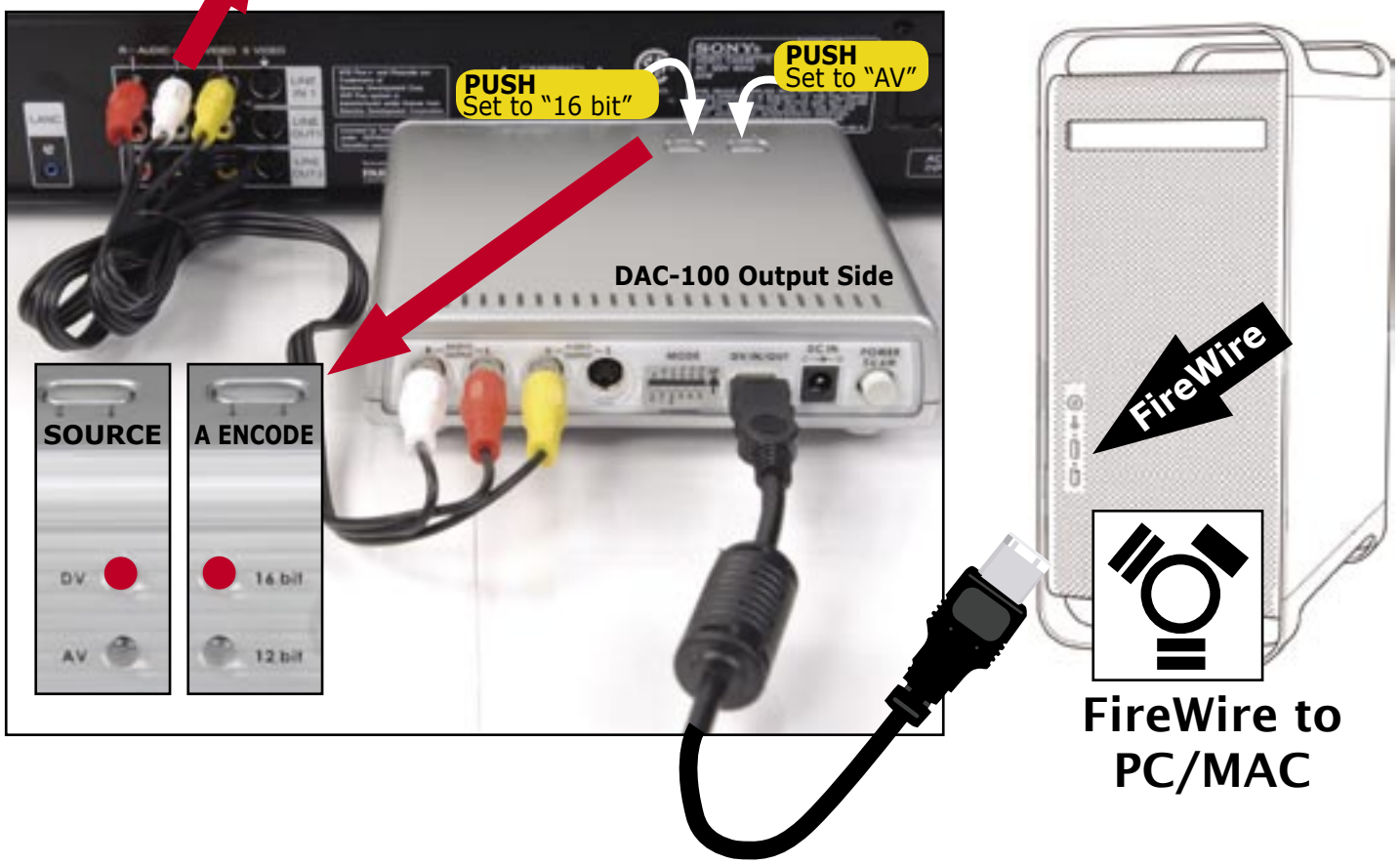
1. Connect the S-Video cable and RCA audio cables from the VCR's Line output to the input on the DAC-100.
2. Connect the FireWire cable to the DAC-100, connect the opposite end to the PC or Mac's FireWire Port.
3. Power on the DAC-100 and the VCR.
4. Start the Editing Software. (Not Supplied)
5. Press the DAC-100's Source Button to switch it to "AV" and the A Encode Button to "16 bit".
6. Go to the "Capture or Import" mode on the Editing software to begin capturing video to a PC or a MAC.



5 EXPORTING TO TAPE

How to Export Video from the computer to Tape

1. Connect the RCA Video/audio cables from the VCR's Line input to the output on the DAC-100.
2. Connect the FireWire cable to the DAC-100, connect the opposite end to the PC or Mac's FireWire Port.
3. Power on the DAC-100 and the VCR.
4. Start the Editing Software. (Not Supplied)
5. Press the DAC-100's Source Button to switch it to "DV" and the A Encode Button to "16 bit".
6. Go to the "Export" mode on the Editing software to begin exporting video to the VCR.

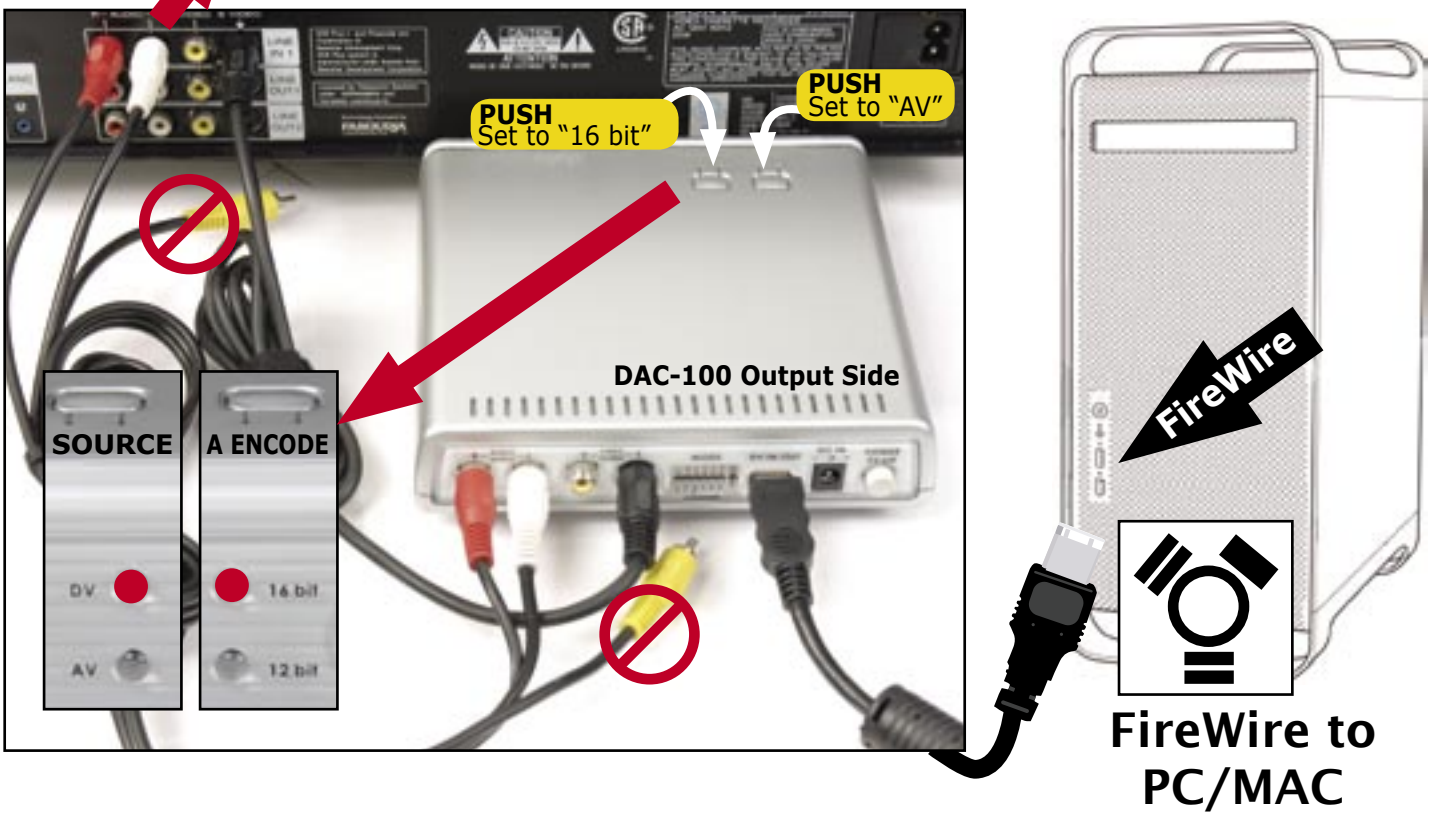


FireWire to PC/MAC

6 EXPORTING TO TAPE (S-VIDEO)

How to Export Video from the computer back to Tape

1. Connect the S-Video and RCA audio cables from the VCR's Line input to the output on the DAC-100.
2. Connect the FireWire cable to the DAC-100, connect the opposite end to the PC or Mac's FireWire Port.
3. Power on the DAC-100 and the VCR.
4. Start the Editing Software. (Not Supplied)
5. Press the DAC-100's Source Button to switch it to "DV" and the A Encode Button to "16 bit".
6. Go to the "Export" mode on the Editing software to begin exporting video to the VCR.



DAC-100 Quick Setup with Vegas Video on Windows XP

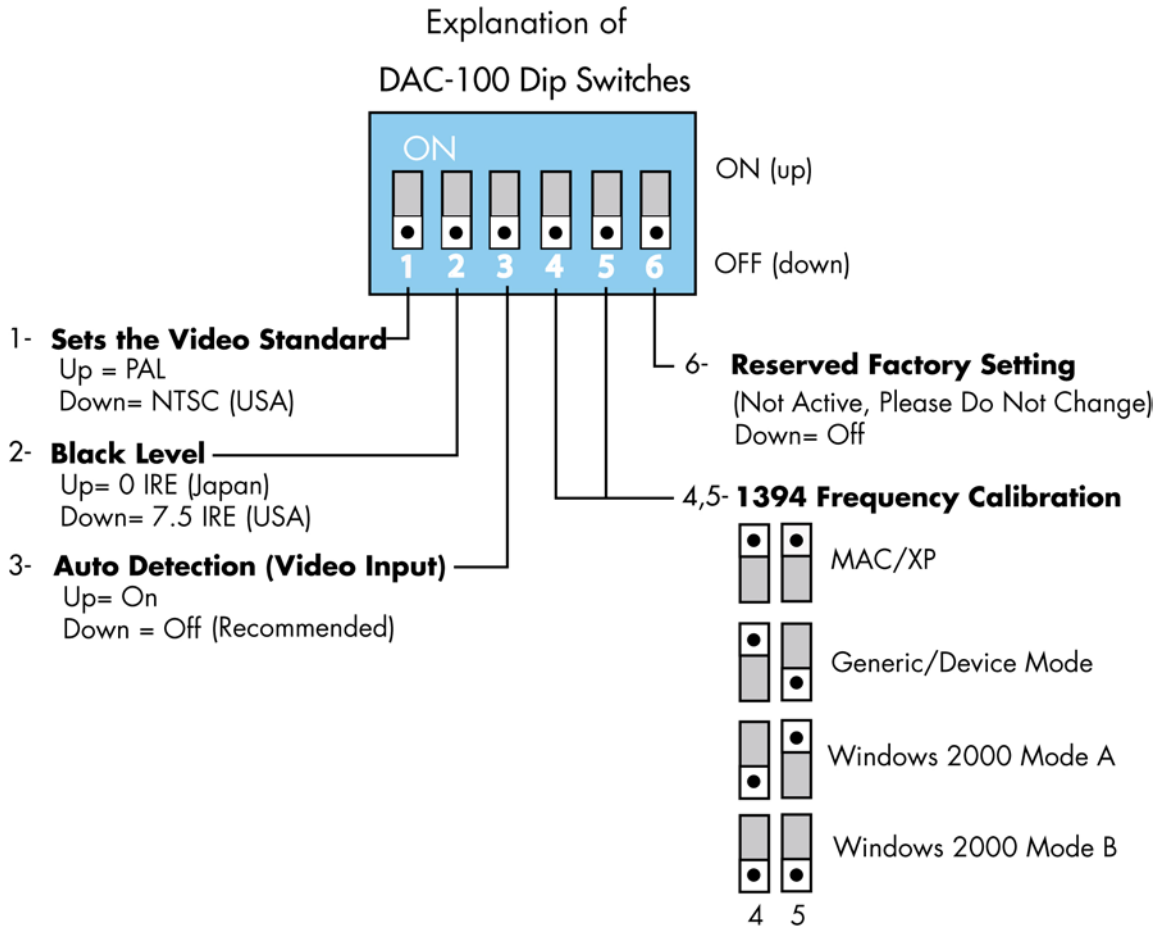
This setup guide will cover four specific areas:

- ***A. Explanation of the DAC-100 Dip Switches***
- ***B. Configuration of the dip switches***
- ***C. Diagrams of typical cable connections***
- ***D. Initial Software configuration***

A. Explanation of the DAC-100 Dip Switches

The DAC-100 has dip switches to customize the converter for your hardware and software. The DAC-100 is sold throughout the world, so dip switch settings can be changed to accommodate different regions and different firewire devices.

The diagram below explains what each dip switch controls within the DAC-100.

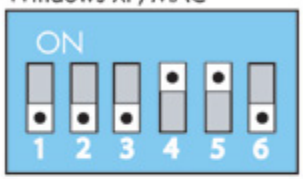


B. Configuration of the Dip Switches

In this section, we will select the appropriate settings for your particular operating system and 1394/firewire card. Please choose a recommended dip switch setting from below, according to your Computer's Operating System.

The DAC-100 ships with a default setting for Windows XP and Macs.

NTSC System (USA)
Windows XP/MAC

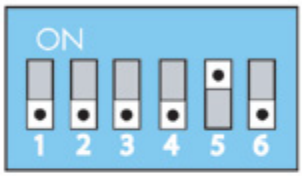


ON (up)

OFF (down)

Using Brand Name 1394 Card

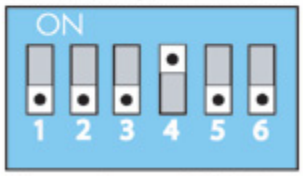
NTSC System (USA)
Windows 2000 (A)
Windows 98 SE



ON (up)

OFF (down)

NTSC System (USA)
Windows XP/Generic Device

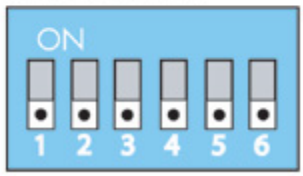


ON (up)

OFF (down)

Using a Generic 1394 Card

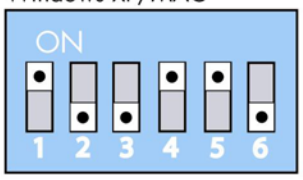
NTSC System (USA)
Windows 2000 (B)



ON (up)

OFF (down)

PAL System
Windows XP/MAC

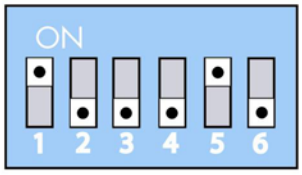


ON (up)

OFF (down)

Using Brand Name 1394 Card

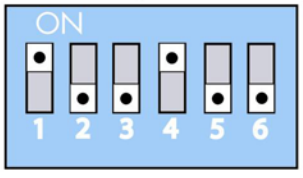
PAL System
Windows 2000 (A)
Windows 98 SE



ON (up)

OFF (down)

PAL System
Windows XP/Generic Device

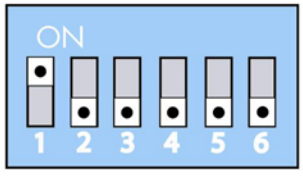


ON (up)

OFF (down)

Using a Generic 1394 Card

PAL System
Windows 2000 (B)



ON (up)

OFF (down)

C. Diagrams of typical cable connections

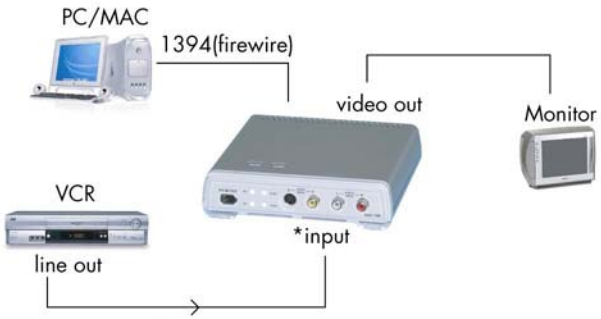
Make sure your VCR or Analog source is connected to the front inputs of the DAC-100 (LED's are on the front of the DAC-100).

A 6-pin FireWire cable can be connected to the front or rear of the DAC-100. The opposite end should be connected to your 1394/connector on your computer.

If you would like to monitor your video, a composite video cable can be used to connect a video monitor. Connect a composite RCA cable from the rear of the DAC-100 and connect the opposite end to the input of your monitor.

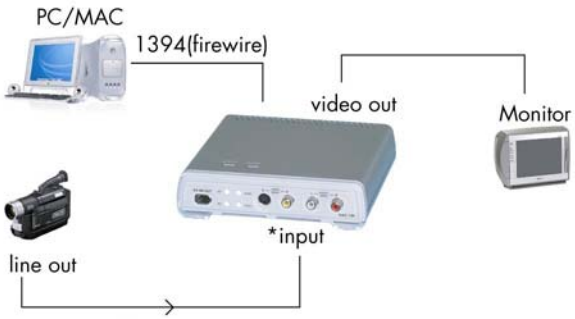
Note: S-video cables only carry a video signal, so you will need to connect your RCA audio cables to the converter to capture sound.

Capturing from VHS



*make sure input source on DAC-100 is on AV

Capturing from an Analog Camera



*make sure input source on DAC-100 is on AV

Exporting to a VHS (Tape) deck

*input button on DAC-100 LED should be set on DV

Exporting to an Analog Camera

*input button on DAC-100 LED should be set on DV

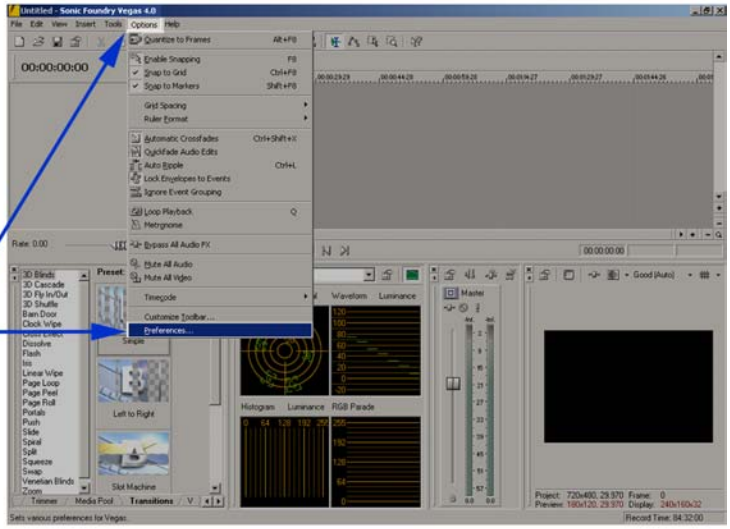
D. Initial Software configuration

Configuring a DAC-100 with Vegas Video 4.0 on Windows XP

When Vegas Video is launched, you will see the main screen as shown on the right.

The first item that should be checked is the video device selection.

Go to "options" then select "preferences".

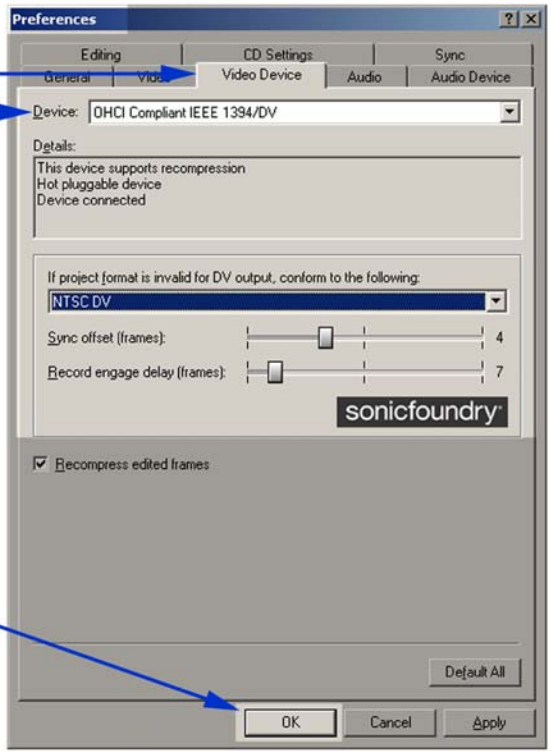


The Preferences box will open, select the "Video Device" tab.

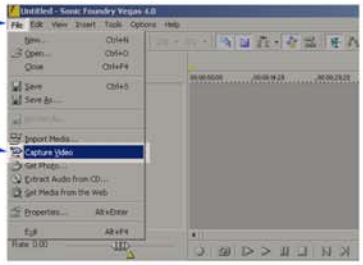
Make sure the device is set to: OHCI Compliant IEEE 1394 DV" and details should list the following:
This device supports recompression
Hot pluggable device
Device connected.

It is recommended that you leave the Sync offset and the Record delay at the default position.

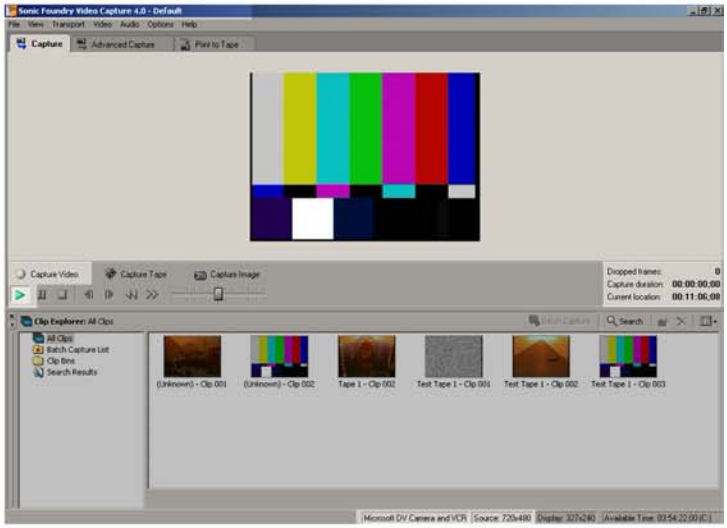
Click the "OK" button to confirm your selections and close the preferences box.



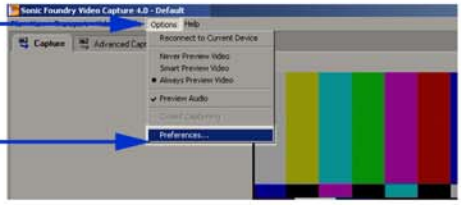
Go to "File" and select "Capture Video" this will open the capture window.



Now that the capture tool is open, we should check capture preferences.

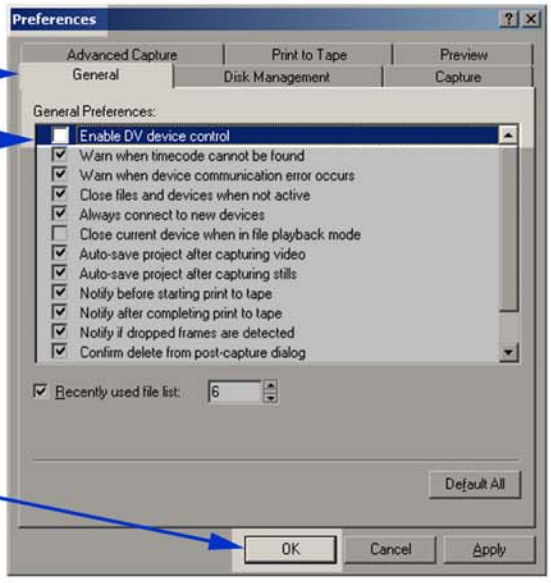


Select "Options" then "Preferences"



A Capture "Preferences" box will open

Click on the "General" tab and deselect "Enable DV device control".



Click the "OK" button to confirm your changes.

Vegas is now ready to work with your converter.